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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/654,790
Filing Date	9/4/03
First Named Inventor	Pan
Art Unit	2818
Examiner Name	M. Tran
Attorney Docket Number	

Sheet 1 of 5

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	1	J.L. PAN, J.E. McMANUS, L. GROBER and J.M. WOODWALL, Gallium-arsenide deep-level pin tunnel diode with very negative conductance, Electronics Letters, Sept. 18, 2003, Vol. 39 No. 19	
	2	JANET L. PAN, JOSEPH E.MCMANIS, THOMAS OSADCHY, LOUISE GROBER, JERRY M. WOODALL and PETER J. KINDLMANN, Gallium arsenide deep-level optical emitter for fibre optics, Nature Materials, June 2003, pp. 375-378, © 2003 Nature Publishing Group	
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	7	G. M. MARTIN, M. L. VERHEIJKE and J.A.J. JANSEN, Measurement of the chromium concentration in semi-insulating GaAs using optical absorption, J. Appl. Phys. 50(1), Jan. 1979, pp. 467-471, © 1979 American Institute of Physics	
	8	J. SERRANO, A. WYSMOLEK, T. RUF, M. CARDONA, Spin-orbit splitting of acceptor states in Si and C, Physica B. 273-641 (1999), pp. 640-643, © 1999 Elsevier Science B.V.	
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	11	PETER C. SERCEL, AL. L. EFROS and M. ROSEN, Intrinsic Gap States in Semiconductor Nanocrystals, Physical Review Letters, Sept. 20, 1999, pp. 2394-2397, Volume 83, Number 12, © 1999 The American Physical Society	
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	13	J.C. BOURGOIN, H. HAMMADI, M. STELLMACHER, J. NAGLE, B. GRANDIDIER, D. STIEVENARD, J.P. NYS, C. DELERUE, M. LANNON, As antisite incorporation in epitaxial growth of GaAs, Physica B 273-274, 1999, pp. 725-728, © 1999 Elsevier Science B.V.	
	14	R. L. WEIHER and W.C. TAIT, Application of the Quantum-Defect Method to Optical Transitions Involving Deep Effective-Mass-Like Impurities in Semiconductors, Physical Review, Sept. 9, 1969, pp. 1116-1126, Volume 185, Number 3	
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	20	T. OBATA, S. FUKUSHIMA, T. ARAYA, N. OTSUKA, Photoluminescence of nearly stoichiometric LT-GaAs and LT-GaAs/AlAs MQW, Journal of Crystal Growth 227-228 (2001), pp. 112-116, © 2001 Elsevier Science B.V.	

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	21	JUN-YUAN CHEN, JENN-GEE LO and LUKE SU LU, Optical Transitions via the Structure-Defect Levels Due to Lattice Vacancies in InSb, Japanese Journal of Applied Physics, June 1991, pp. 1169-1175, Vol. 30, No. 6	
	22	U. SIEGNER, M. HAIML, F. MORIER-GENOUD, R.C. LUTZ, P. SPECHT, E.R. WEBER, U. KELLER, Femtosecond nonlinear optics of low-temperature grown semiconductors, Physica B 273-274, 1999, pp. 733-736, © 1999 Elsevier Science B.V.	
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	31	G.M. MARTIN, Optical assesment of the main electron trap in bulk semi-insulating GaAs, Appl. Phys. Lett 39(9), Nov. 1, 1981, pp. 747-748, © 1981 American Institute of Physics	
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